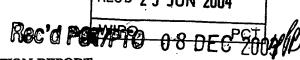
PCT



INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference	s file reference FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)				
70065 PCT International application No.	International filing date (day/mor	th/year)	Priority date (day/month/year)		
		_	12 June 2002 (12.06.2002)		
PCT/US03/17486 International Patent Classification (IPC)	04 June 2003 (04.06.2003) or national classification and IPC		12 34115 2002 (12:00:2002)		
		. 504/147 334	335 336 337 338 330 340 341 342		
IPC(7): A01N 37/02, 37/18, 37/20, 37/2 Applicant	22, 37/24, 37/20, 37/28 and US C	304/147, 354	, 335, 336, 337, 338, 339, 340, 341, 342		
			1		
SYNGENTA PARTICIPATIONS AG					
1. This international preliming Examining Authority and	1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.				
2. This REPORT consists of	2. This REPORT consists of a total of sheets, including this cover sheet.				
This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).					
These annexes consist of	a total of <u>sheets</u> .				
3. This report contains indic	ations relating to the following	items:			
I Basis of the rej	I Basis of the report				
II Priority					
III Non-establishn	III Non-establishment of report with regard to novelty, inventive step and industrial applicability				
IV Lack of unity	IV Lack of unity of invention				
V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement					
VI Certain documents cited					
VIII Certain observations on the international application					
Deta-Gardenianian acide desired	l Dat	e of completic	on of this report		
Date of submission of the demand	1	_			
09 January 2004 (09.01.2004)		09 June 2004 (09.06.2004)			
Name and mailing address of the IPEA/US		Authorized officer			
Mail Stop PCT, Attn: IPEA/US Commissioner for Patents	S.	S. Mark Clardy			
P.O. Box 1450			elephone No. 703-308-1235		
Facsimile No. (703) 305-3230 Form PCT/IPEA/409 (cover sheet)(July 1998)					

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application.	
PCT/US03/17486	

I.	Basi	s of the report			
1.	With	regard to the elements of the international application:*			
	\square	the international application as originally filed.			
	\bowtie	the description:			
		pages 1-22 as originally filed			
		pages NONE , filed with the demand			
		pages NONE, filed with the letter of			
	\bowtie	the claims:			
		pages 23-25, as originally filed			
		pages NONE, as amended (together with any statement) under Article 19 pages NONE, filed with the demand			
		pages NONE , filed with the demand			
		pages NONE, filed with the letter of			
		the drawings:			
		pages NONE , as originally filed			
		pages NONE , filed with the demand pages NONE , filed with the letter of .			
		the sequence listing part of the description:			
		pages NONE , as originally filed			
		pages NONE , filed with the demand pages NONE , filed with the letter of .			
2	Wit	h regard to the language, all the elements marked above were available or furnished to this Authority in the			
۷.	lang	uage in which the international application was filed, unless otherwise indicated under this item.			
	Thes	se elements were available or furnished to this Authority in the following language which is:			
		the language of a translation furnished for the purposes of international search (under Rule23.1(b)).			
		the language of publication of the international application (under Rule 48.3(b)).			
		the language of the translation furnished for the purposes of international preliminary examination(under Rules			
		55.2 and/or 55.3).			
3.	With	n regard to any nucleotide and/or amino acid sequence disclosed in the international application, the			
	inter	national preliminary examination was carried out on the basis of the sequence listing:			
	H	contained in the international application in printed form.			
	$\vdash \vdash$	filed together with the international application in computer readable form.			
	닏	furnished subsequently to this Authority in written form.			
	\square	furnished subsequently to this Authority in computer readable form.			
	Ш	The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the			
		international application as filed has been furnished.			
	Ш	The statement that the information recorded in computer readable form is identical to the written sequence listing			
		has been furnished.			
4.		The amendments have resulted in the cancellation of:			
		the description, pages NONE			
		the claims, Nos. NONE			
		the drawings, sheets/fig NONE			
5.		This report has been established as if (some of) the amendments had not been made, since they have been considered to go			
		beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**			
*	* Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in				
<i>thi:</i> **	this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17). ** Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.				
	,	-r			

Form PCT/IPEA/409 (Box I) (July 1998)



International application.
PCT/US03/17486

NO

V.	Reasoned statement under Rule 66.2(a)(ii) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement			
L.	STATEMENT			
	Novelty (N)	Claims	1-25	YES
		Claims	NONE	NO
	Inventive Step (IS)	Claims	NONE	YES
		Claims	1-25	NO
	Industrial Applicability (IA)	Claims	1-25	VEC

2. CITATIONS AND EXPLANATIONS

Claims 1-25 lack an inventive step under PCT Article 33(3) as being obvious over the combined teachings of Penner et al (US 6,235,682) and Feucht et al (US 6.365.550).

Penner et al teach compositions comprising a herbicide such as an acetanilide or acetamide herbicide, among others (acetochlor, alachlor, flufenacet, metolachlor; columns 6 and 11, and Table 1) and an oil based adjuvant which enhances the herbicidal activity, such as a free fatty acid (column 5, lines 53-64). The compositions contain an organosilicon containing adjuvant which serves to reduce the foliar retention of the composition so that it does not adhere to desirable crop plants, but controls weeds that beneath them.

Claims NONE

Feucht et al teach herbicidal compositions comprising flufenacet as the herbicidal agent in combination with glyphosate or glufosinate (abstract) in combination with conventional adjuvants including organic solvents and oil based adjuvants such as xylene, toluene, or alkylnaphthalenes, aliphatic hydrocarbons such as cyclohexana or paraffins, mineral oil fractions, mineral and vegetable oils, etc. (column 4, lines 21-33).

Thus it would have been *prima facie* obvious to one of ordinary skill in the art to use the customary oil based adjuvants of Feucht et al with the active agents and fatty acid components of Penner et al in order to obtain the beneficial characteristics of the Penner compositions.

Claims 1-25 meet the criteria set out in PCT Article 33(4), and thus possess industrial applicability because the subject matter claimed can be made or used in industry.

Form PCT/IPEA/409 (Box V) (July 1998)





NOTE OF INFORMAL COMMUNICATION WITH THE APPLICANT

(PCT Rule 66.6)

International application	No.	Applicant's or agent	's file reference	Date of informal co	1
PCT/US03/17486 70065 PCT 08 June 2004 (08.06.2004) Applicant SYNGENTA PARTICIPATIONS AG					
Communication by telephone personal	Participants Applican Agent: Examine	t: Tom Hamilton r(s): S. Mark Clardy	Identity checked	authorization checked	personally known
Summary of communication: Attorney authorized completion of IPER (PCT 409) in place of the 408.					
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. ,					
An extension of time limit is granted (Form PCT/IPEA/427.					
A copy of this note is being sent to the applicant with Form PCT/IPEA/429. PCT/IPEA/424.					
Commissioner P.O. Box 1450	, Attn: IPEA/US for Patents rginia 22313-1450 5-3230	us	Authorized off S. Mark Cyar Telephone No.	icer / M dy 703-308-1235	Xglish